

DERWENT-ACC-NO: 1970-63059R

DERWENT-WEEK: 197035

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TITLE: Colour fast polyamide mouldings

PATENT-ASSIGNEE: TORAY IND INC[TORA]

PRIORITY-DATA: 1967JP-0047603 (July 26, 1967)

PATENT-FAMILY:

PUB-NO

PUB-DATE

LANGUAGE

PAGES

MAIN-IPC

JP 70027053 B

N/A

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N/A

ABSTRACTED-PUB-NO: JP 70027053B

BASIC-ABSTRACT:

The moulding comprises (1) a core component consisting of polyamide with  $7 \times 10^{-5}$  mol/g AEG of terminal amino groups coloured with a 1 : 2 type metal/acetic acid dye and (2) a sheath component consisting of polyamide with  $2 \times 10^{-5}$  mol/g. terminal amino groups. The core dye has little tendency to diffuse into the sheath, and hence is colour-fast.

TITLE-TERMS: COLOUR FAST POLYAMIDE MOULD

DERWENT-CLASS: A24 A94 F01

CPI-CODES: A05-F01B; A11-A01A; A12-S05B; F01-D03; F01-E01;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:

Multipunch Codes: 01- 141 155 157 192 193 206 30& 303 305

33& 339 364 365 415

437 476 481 483 597 600 601 720 721

PA  $\rightarrow$  core - dyeable w/ acid dye ( $7 \times 10^{-5}$  mol/g AEG) 70?

Sheath - non-dyeable  
( $2 \times 10^{-5}$  mol/g)  
20?

core is color fast.

PAT-NO: JP403193982A  
DOCUMENT-IDENTIFIER: JP 03193982 A  
TITLE: DYED CONJUGATE FIBER  
PUBN-DATE: August 23, 1991

INVENTOR-INFORMATION:

NAME

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KUWABARA, MASATO

HASEGAWA, YOSHITERU

*Color fast to light  
wash fast*

ASSIGNEE-INFORMATION:

NAME

TORAY IND INC

*Sheath-PA =  $\leq 10\%$  dyed (undyed)  
Core - PET-*  
COUNTRY  
N/A

APPL-NO: JP01331999  
APPL-DATE: December 20, 1989

INT-CL (IPC): D06P003/82, D01F008/12 , D01F008/14

US-CL-CURRENT: 428/373

ABSTRACT:

PURPOSE: To obtain the subject fiber excellent in color fastness to light and washing by dyeing sheath-core type conjugate fiber in which a polyamide is arranged in the sheath part and a specific modified polyester is arranged in the core part only with a cationic dye to specific values of the percentage exhaustions in the sheath and core parts.

CONSTITUTION: Sheath-core type conjugate fiber in which a polyamide is arranged in the sheath part and a sulfonated aromatic

dicarboxylic  
acid-modified polyester (e.g. sulfoxyisophthalic acid) is  
arranged in the core  
part at 20-75wt.% conjugate ratio of the polyamide sheath  
part is dyed only  
with a cationic dye to regulate the dye percentage  
exhaustion of the sheath  
part to  $\leq 10\%$  based on that of the aforementioned core  
part and  $\leq 0.2\%$  owf.  
Thereby, the objective conjugate fiber, excellent in color  
fastness to light  
and washing and dyed to a bright color is obtained. The  
resultant fiber is  
suitable as sportswear, outerwear, etc.

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